

Title (en)

NEEDLE-HOLDING UNIT FOR A CIRCULAR KNITTING MACHINE

Title (de)

NADELHALTEELEMENT FÜR RUNDSTRICKMASCHINEN

Title (fr)

UNITÉ PORTE-AIGUILLES POUR MACHINE À TRICOTER CIRCULAIRE

Publication

EP 3976871 A1 20220406 (EN)

Application

EP 20742867 A 20200521

Priority

- IT 201900007380 A 20190527
- IB 2020054838 W 20200521

Abstract (en)

[origin: WO2020240363A1] A needle-holding unit (1) for circular knitting machines, having a structure shaped as a hollow solid of rotation developing around a central axis (Z), and being configured for turning around said central axis and for supporting a plurality of needles (N) moving so as to produce a knitted fabric. The needle-holding unit exhibits on an outer side at least one working surface (2), on which a plurality of needle seats (3) is defined, which are placed beside one another and arranged around the central axis; each of the needle seats movably houses at least a portion of at least one respective needle (N) which can be actuated with an alternate motion along the respective needle seat with a motion of extraction and a motion of return, in order to produce knitted fabric. Each needle seat (3) has an inclined longitudinal development with respect to the central axis (Z). The working surface (2) has a shape as a surface of rotation obtained through the rotation of the inclined needle seats (3) around the central axis, and in particular the working surface is a non-cylindrical non-conical three-dimensional surface.

IPC 8 full level

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CPC (source: CN EP KR US)

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